



Public Notice

**U S Army Corps
of Engineers**
Huntington District

In reply refer to Public Notice No.	Issuance Date:
<u>200401382</u>	<u>April 27, 2005</u>
Stream: UN Trib of Alum Creek	Closing Date:
	<u>May 27, 2005</u>

Please address all comments and inquiries to:
U.S. Army Corps of Engineers, Huntington District
ATTN: CELRH-OR-F Public Notice No. (reference above)
502 Eighth Street
Huntington, West Virginia 25701-2070

Phone: (304) 399-5210

PUBLIC NOTICE: The purpose of this public notice is to inform you of a proposal for work in which you might be interested. It is also to solicit your comments and information to better enable us to make a reasonable decision on factors affecting the public interest. We hope you will participate in this process.

REGULATORY PROGRAM: Since its early history, the U.S. Army Corps of Engineers (Corps) has played an important role in the development of the nation's water resources. Originally, this involved construction of harbor fortifications and coastal defenses. Later duties included the improvement of waterways to provide avenues of commerce. An important part of our mission today is the protection of the nation's waterways through the administration of the Corps Regulatory Program.

SECTION 404: The Corps is directed by Congress under Section 404 of the Clean Water Act (33 USC 1344) to regulate the discharge of dredged and fill material into all waters of the United States, including wetlands. The intent of the law is to protect the nation's waters from the indiscriminate discharge of material capable of causing pollution and to restore and maintain their chemical, physical and biological integrity.

TO WHOM IT MAY CONCERN: The following application has been submitted for a Department of the Army Permit under the provisions of Section 404 of the Clean Water Act. This notice serves as the Corps of Engineers' request to the Ohio Environmental Protection Agency (OEPA) to act on Section 401 Water Quality Certification for the following application:

APPLICANT: Ohio Department of Transportation
 1980 West Broad Street
 Columbus, Ohio 43223

LOCATION: The proposed project is located within Rush Run, Nobles Run, unnamed tributaries of Alum Creek and their adjacent wetlands at the existing I-71 and I-270 Interchange in northern Columbus, Franklin County, Ohio.

DESCRIPTION OF THE PROPOSED WORK: The applicant proposes to reconfigure a portion of the existing I-71 and I-270 Interchange at this location. The project would extend approximately two miles along I-270 and 2.2 miles along I-71. According to the applicant, the North Central Outerbelt

Major Investment Study identified this interchange as the fourth most congested/high crash location in the state due in part to the design of the existing interchange ramps and waving distances. The proposed work would result in the reconstruction and reconfiguration of the ramps that connect I-270 to I-71 and widening of the acceleration/deceleration lanes to and from the ramps. The proposal would result in impacts to 1532' of jurisdictional stream channel, 0.04 acre of jurisdictional wetland, and 0.83 acre of jurisdictional open water.

The proposed reconfiguration activities would result in impacts to 39' of Rush Run, 963' of Nobles Run at three separate locations, and 530' of three unnamed tributaries of Alum Creek. The proposal would also result in impacts to 0.04 acre of Wetland 2 and 0.83 acre of Pond C. Work associated with the proposal would consist of the construction of a new flyover ramp, slight realignment of existing ramps, and widening and lengthening of associated acceleration/deceleration lanes. Impacts to waters of the United States would include culvert placements and extensions, channel re-grading, channel relocations, and the placement of fill material into wetlands and a pond. Specifics regarding the proposed impacts can be found in Tables A, B, and C. A total of 4,900 cubic yards of clean fill material will be placed below the ordinary high water elevation of approximately 1.04 acres of waters of the Untied States in conjunction with the proposal.

MITIGATION PLAN: The applicant has submitted a conceptual compensatory mitigation plan (CMP) to compensate for permanent impacts to waters of the United States regulated by the United States Army Corps of Engineers. To mitigate for stream impacts associated with the proposal, the applicant proposes to re-construct two stream channels on-site. Approximately 180' of channel would be constructed at the location of Pond C to connect Nobles Run from the proposed culvert under Ramp M to the un-impacted downstream section of Nobles Run. Approximately 230' of channel would be constructed to carry flow from Stream #2 to Stream #3. The applicant has indicated due to physical site constraints, it would not be possible to incorporate natural stream design techniques into the new stream channels. The applicant also proposes to preserve 2,298' of stream channel at the Big Darby Headwaters Pooled Stream Mitigation Area. To mitigate for impacts to 0.04 acre of wetland, the applicant requests the debit of 0.06 acre of wetland credit from their reserved credits at the Big Island Wetland Mitigation Bank in Marion County, Ohio.

A total of 0.04 acre of jurisdictional wetland would be filled as a result of the proposal. The project does not require access to or sitting within the wetlands to fulfill its basic purpose and is considered a non-water dependent activity. The Section 404(b)(1) Guidelines state that for non-water dependent activities, practicable alternatives that do not involve wetlands are presumed to be available unless clearly demonstrated otherwise. The applicant is required to provide an alternative analysis that must overcome the presumption prior to receiving authorization for the placement of fill material. The applicant has submitted the required alternative analysis and it is currently being reviewed.

Plans of the proposed work are attached to this notice.

A section 401 Water Quality Certification is required for this project. It is the applicant's responsibility to obtain the certification from the Ohio Environmental Protection Agency.

HISTORIC AND CULTURAL RESOURCES: The National Register of Historic Places has been consulted and it has been determined that there no listed properties eligible for the register in the area affected by the project. A copy of this public notice will be furnished to the Ohio State Historic Preservation Office for their review. Comments concerning archeological sensitivity of the project area should be based upon collected data.

ENDANGERED/THREATENED SPECIES REVIEW: The project is located within the known or historic range of the following endangered species:

Indiana bat
Scioto madtom
Clubshell mussel
Eastern massasauga
Northern riffleshell mussel
Rayed bean mussel

The Huntington District has consulted the most recently available information and based on the proposed avoidance and minimization measures, the project is not likely to adversely affect the Indiana bat will have no effect on the Scioto madtom, clubshell mussel, eastern massasauga, northern riffleshell mussel, or the rayed bean mussel designated Critical Habitat for these Federally listed species. This public notice serves as a request to the U.S. Fish and Wildlife Service for any additional information they may have on whether any listed or proposed to be listed endangered or threatened species may be present in the area which would be affected by the activity, pursuant to Section 7(c) of the Endangered Species Act of 1972 (as amended).

PUBLIC INTEREST REVIEW AND COMMENT: Any person who has an interest that may be adversely affected by the issuance of a permit may request a public hearing. The request must be submitted in writing to the District Engineer on or before the expiration date of this notice and must clearly set forth the interest which may be adversely affected and the manner in which the interest may be adversely affected by the activity. This application will be reviewed in accordance with 33 CFR 320-331, the Regulatory Program of the U. S. Army Corps of Engineers (USACE), and other pertinent laws, regulations, and executive orders. Our evaluation will also follow the guidelines published by the U. S. Environmental Protection Agency pursuant to Section 404(b) (1) of the CWA. Interested parties are invited to state any objections they may have to the proposed work. The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit that reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors that may be relevant to the proposal will be considered including the cumulative effects thereof; of those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the

needs and welfare of the people. Written statements on these factors received in this office on or before the expiration date of this public notice will become a part of the record and will be considered in the final determination. A permit will be granted unless its issuance is found to be contrary to the public interest.

SOLICITATION OF COMMENTS: The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. For accuracy and completeness of the administrative record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

CLOSE OF COMMENT PERIOD: All comments pertaining to this Public Notice must reach this office on or before the close of the comment period listed on page one of this Public Notice. If no comments are received by that date, it will be considered that there are no objections. Comments and requests for additional information should be submitted to:

Kimberly Courts-Brown, Regulatory Project Manager
North Regulatory Section, CELRH-OR-FN
U. S. Army Corps of Engineers Huntington District
502 Eighth Street
Huntington, West Virginia 25701-2070.

Please note names and addresses of those who submit comments in response to this public notice may be made publicly available. Thank you for your interest in our nation's water resources. If you have any questions concerning this public notice, please contact Kimberly Courts-Brown of the North Regulatory Section at 304-399-5210.

for *Mark A Taylor*
Ginger Mullins, Chief
Regulatory Branch

(O)

SECTION 404 PERMIT AND OEPA 401 WATER QUALITY CERTIFICATION APPLICATION
 IR-270 / IR-70 INTERCHANGE, FRANKLIN COUNTY
 FRA-270-24-47, PID 77320
 FEBRUARY 2005

Site ID	Location	Description	Watershed	Length (feet)	Flow (cfs)	Waterbody	Distance from waterbody (miles)	OEPA Water Quality Standard	OEPA Water Quality Classification
Rush Run	Lat. 40° 6' 41" N Long 83° 0' 3" W	Perennial	Olentangy River	39	425	Olentangy River	3.8 miles	0.3	48, WWH*, PHWH II
Nobles Run	Lat. 40° 6' 26" N Long 82° 58' 54" W	Perennial	Alum Creek	963	1660 (incl 300 feet impounded in Pond A)	Alum Creek	3 miles	0.7	68, Mod PHWH II
UN Trib 1	Lat. 40° 6' 28" N Long 82° 58' 28" W	Ephemeral	Alum Creek	245	560	UN Trib 2	100 feet	0.03	Mowed field
UN Trib 2	Lat. 40° 6' 28" N Long 82° 58' 51.5" W	Ephemeral	Alum Creek	233	960 (incl 160 feet impounded in Pond A)	Nobles Run	0	0.03	Second growth, mixed deciduous forest, mowed field
UN Trib 3	Lat. 40° 6' 38" N Long 82° 58' 57" W	Perennial	Alum Creek	52	1670	Nobles Run	0	0.7	Pond, Mowed field

* Designated in the OEPA Water Quality Standards as WWH. The project is located at the upper headwaters of the stream, so that it is provisionally classified as a PHWH Class II at the impact site.

**SECTION 404 PERMIT AND OEPA 401 WATER QUALITY CERTIFICATION APPLICATION
IR-270 / IR-70 INTERCHANGE, FRANKLIN COUNTY
FRA-270-24-47, PID 77320
FEBRUARY 2005**

Wetland 1	Lat. 40° 6' 23" N Long 82° 58' 54.5" W	Alum Creek	Palustrine Emergent	PEM	25	1	0.25	0	Mowed field
Wetland 2	Lat. 40° 6' 35" N Long 82° 58' 37" W	Alum Creek	Palustrine Emergent	PEM	12	1	0.75	0.04	Mowed interchange infield
Wetland 3	Lat. 40° 6' 39.5" N Long 82° 58' 34" W	Alum Creek	Palustrine Emergent	PEM	12.5	1	0.87	0	Mowed interchange infield
Wetland 4	Lat. 40° 6' 42" N Long 82° 58' 43" W	Alum Creek	Palustrine Emergent	PEM	-5	1	0.2	0.2	Mowed interchange infield
Wetland 5	Lat. 40° 6' 44" N Long 82° 58' 33" W	Alum Creek	Palustrine Emergent	PEM	10	1	0.02	0	Mowed interchange infield
Pond A	Lat. 40° 6' 30" N Long 82° 59' 13" W	Alum Creek	Open water	POW	N/A	N/A	3.3	0	Mowed field
Pond B	Lat. 40° 6' 28.5" N Long 82° 59' 5" W	Alum Creek	Open water	POW	N/A	N/A	3.12	0	Mowed field
Pond C	Lat. 40° 6' 27" N Long 82° 58' 51" W	Alum Creek	Open water	POW	N/A	N/A	0.93	0.83	Mowed field
Pond D	Lat. 40° 6' 44" N Long 82° 59' 0" W	Alum Creek	Open water	POW	N/A	N/A	4.1	0	Urban/ industrial
Pond E	Lat. 40° 6' 50" N Long 83° 0' 2" W	Alum Creek	Open water	POW	N/A	N/A	2.7	0	Urban/ industrial
Pond F	Lat. 40° 6' 45" N Long 83° 0' 2" W	Alum Creek	Open water	POW	N/A	N/A	6.4	0	Urban/ industrial
Pond G	Lat. 40° 6' 36" N Long 83° 0' 3" W	Alum Creek	Open water	POW	N/A	N/A	1.1	0	Urban/ industrial
Total							23.74	1.07	

SECTION 404 PERMIT AND OEPA 401 WATER QUALITY CERTIFICATION APPLICATION
 IR-270 / IR-70 INTERCHANGE, FRANLIN COUNTY
 FRA-270-24-47, PID 77320
 FEBRUARY 2005

WATER BODY / STREAM / CREEK / RIVER / CHANNEL / DRAINAGE AREA	PROJECT NUMBER	PROJECT DESCRIPTION	CHANNEL DISTURBANCE DUE TO PROPOSED ACTION		CONSTRUCTION VOLUME (Cubic Yards)	CONSTRUCTION VOLUME (Cubic Meters)	CONSTRUCTION VOLUME (Acres)
			CHANNEL LENGTH (ft.)	CHANNEL WIDTH (ft.)			
Rush Run	I-270 951+75.52	Culvert extension	39	0	0.000	41	0.009
Nobles Run	I-270 979+51.41	Culvert extension	48	0	0.000	69	0.014
Nobles Run	Ramp M 1010+00	New culvert, channel relocation	315	39	0.012	397	0.082
Nobles Run	Between Ponds B and C	Channel regrading	600	578	0.179	0	0.000
UN Trib 1	Ramp M 1007+18.15	New culvert	245	0	0.000	82	0.025
UN Trib 2	Ramp P 1011+00	Channel fill, relocation	233	0	0.000	78	0.024
UN Trib 3	I-270 1003+00	Culvert extension	52	11	0.003	22	0.004
Total			1532	627	0.194	689	0.159
						0	0
							0

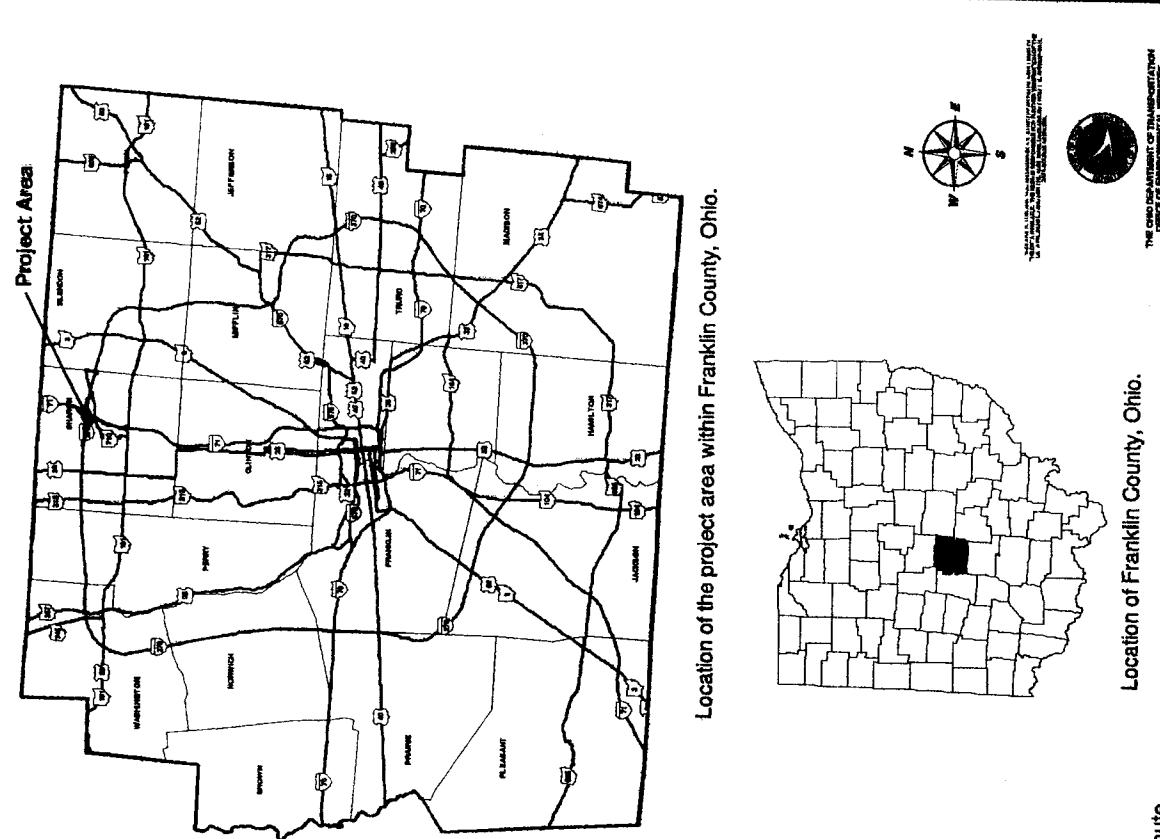
SECTION 401 PERMIT AND OEPA 401 WATER QUALITY CERTIFICATION APPLICATION
 IR-270 / IR-70 INTERCHANGE, FRANKLIN COUNTY
 FRA-270-24-47, PID 77320
 FEBRUARY 2005

Wetland Area						
	Wetland 1	Wetland 2	Wetland 3	Total Wetlands	POW	PEM
Wetland 1	0	0	0	0	0	0
Wetland 2	0	0	0	0	194	0.04
Wetland 3	0	0	0	0	0	0
Total Wetlands				0.04	194	0.04

Pond Area						
	Pond A	Pond B	Pond C	Pond D	Pond E	Pond F
Pond A	0	POW	0	0	0	0
Pond B	0	POW	0	0	0	0
Pond C	0	POW	0.83	0	4017	0.83
Pond D	0	POW	0	0	0	0
Pond E	0	POW	0	0	0	0
Pond F	0	POW	0	0	0	0
Pond G	0	POW	0	0	0	0
Total Ponds			0.83		4017	0.83
Total Ponds and Wetlands		0.87			4211	0.87

SECTION 404 PERMIT AND OEPA 401 WATER QUALITY CERTIFICATION APPLICATION
 IR-270 / IR-70 INTERCHANGE, FRANKLIN COUNTY
 FRA-270-24,47, PID 77320
 FEBRUARY 2005

Legend		Project Stream Segments										Total Project			
Segment Number	Legend Description	Length (miles)	Length (km)	Flow (cfs)	Flow (l/s)	Volume (cu.m)	Volume (cu.yd)	Young's Modulus (psi)	Young's Modulus (kN/m²)	Volume (cu.m)	Volume (cu.yd)	Young's Modulus (psi)	Young's Modulus (kN/m²)		
1532	0	1532	627	0.194	0	0	627	0.194	689	0.159	4211	0.870	4899	1.029	



THE CHIEF DEPARTMENT OF TRANSMISSION
OFFICE OF ENVIRONMENTAL SERVICES
1600 W. BRONCO ST.
DENVER, CO 80204
PRODUCED WITH GOVERNMENT-FURNISHED EQUIPMENT
CATERED BY THE HARRISONS

Location of Franklin County, Ohio.

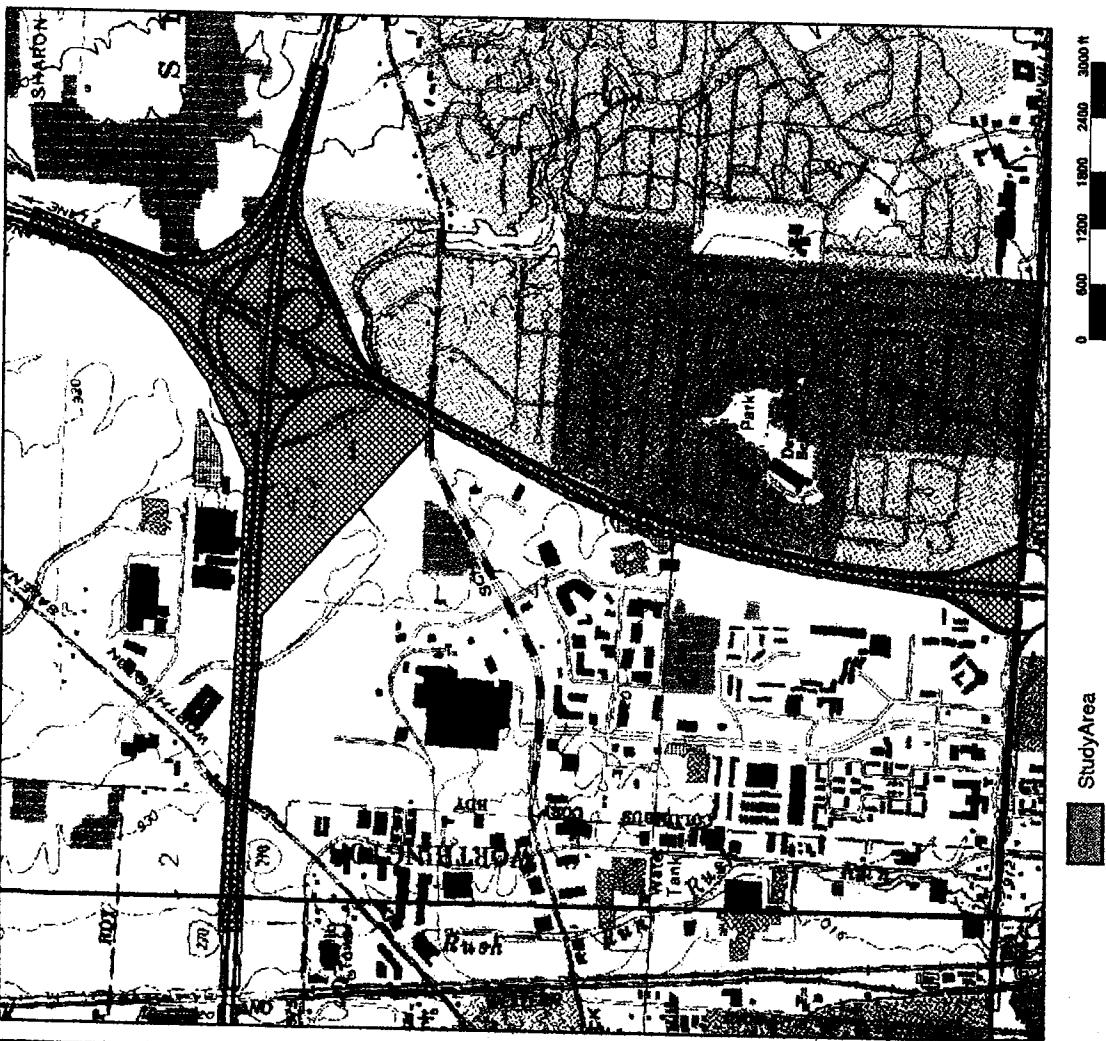
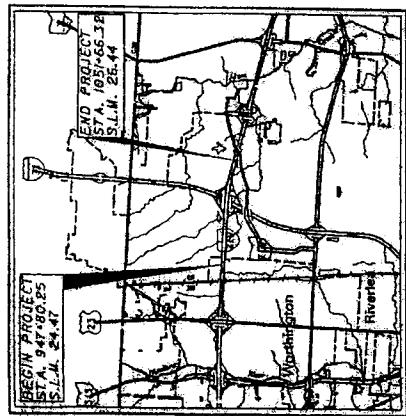


Figure 1. Location of the proposed project area. Portions of the Northeast Columbus and Northwest Columbus 7.5 minute USGS Topographic Quadrangles were used as base mapping for the figure.

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
FRA-270-24.47
FRANKLIN COUNTY
SHARON TOWNSHIP



PROJECT DESCRIPTION

THE PROJECT CONSISTS OF ADDING XX MILES OF AUXILIARY LANES TO I.R. 270 IN THE EASTBOUND AND WESTBOUND DIRECTIONS AS WELL AS ADDING XX MILES OF AN AUXILIARY LANE IN THE SOUTHBOUND DIRECTION OF I.R. 270 AND RECONFIGURING THE INTERCHANGE AT I.R. 270 AND I.R. 71.

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC, AND HAS BEEN DECLARED LIMITED ACCESS HIGHWAY PURSUANT TO THE ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 51102 OF THE OHIO REVISED CODE.

2002 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

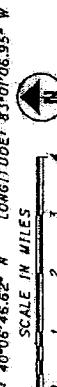
I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING OF TRAFFIC OF THE HIGHWAY EXCEPT AS NOTED ON STREETS XX-XX, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH IN THE PLANS AND ESTIMATES.

UNDER AUTHORITY OF SECTION 4511.21, DIVISION IX OF THE OHIO REVISED CODE, THE REVISED PARK FACE SPEED LIMITS AS INDICATED HEREIN ARE RECOMMENDED TO BE REASONABLE AND SAFE AND ARE HEREBY ESTABLISHED FOR THE PERIOD OF TIME INDICATED.

THE CITY OF COLUMBUS SIGNATURES ON THIS PLAN SIGNIFY CONCURRENCE WITH THE GENERAL PURPOSE AND LOCATION OF THE PROJECT ONLY. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

INDEX OF SHEETS:
SEE SHEET 2

LOCATION MAP
LATITUDE: 40°06'46.62" N LONGITUDE: 80°06'06.95" W



PORTION TO BE IMPROVED
INTERSTATE & DIVIDED HIGHWAY

UNDIVIDED STATE & FEDERAL ROUTES

OTHER ROADS

DESIGN DESIGNATION - I.R. 270

CURRENT ADT (2006)	168,500	DESIGN ADT (2006)	118,300
DESIGN YEAR ADT (2026)	206,500	DESIGN YEAR ADT (2026)	144,900
DHV	-17,180	DHV	18,060
D	0.52	D	0.50
T24	-0.12	T24	-0.12
TQ	-0.08	TQ	-0.08
DESIGN SPEED	70 MPH	DESIGN SPEED	70 MPH
LEGAL SPEED	65 MPH	LEGAL SPEED	65 MPH

DESIGN FUNCTIONAL CLASSIFICATION -
URBAN INTERSTATE

DESIGN EXCEPTIONS
HORIZONTAL CLEARANCE
SUPER ELEVATIONS

UNDERGROUND UTILITIES	NO WORKING DAYS BEFORE YOU DIG CALL 1-800-362-2764 IT'S FREE OHIO UTILITIES PROTECTION SERVICE NON-MEMBERS MUST BE CALLED DIRECTLY
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PLAN PREPARED BY:

Lockwood, Lanier,
Mathias & Noland, Inc.
Civil Engineers / Land Surveyors
222 South Main, Suite 1000
Columbus, Ohio 43215
Telephone: (614) 227-1000
Facsimile: (614) 227-1001
E-mail: info@lmlinc.com

Engineering Services Division
77320.GIS.BA.R4

FRA-270-24.47
FEDERAL AWARD NUMBER
PROJ. NO.

77320
FILE NO.

SCHEMATIC PLAN A

APPROVED _____
DATE _____ DISTRICT DEPUTY DIRECTOR

APPROVED _____
DATE _____ DIRECTOR, DEPARTMENT OF
TRANSPORTATION

XX

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STA. 934+00 I.R. 270
SURVEY & CONSTRUCTION
OF RAIL NORFOLK & SOUTHERN
RAILROAD

STA. 964+02.13 SURVEY & CONSTRUCTION I.R. 270
STA. 969+99.78 OF WASHINGTON GELENA ROAD

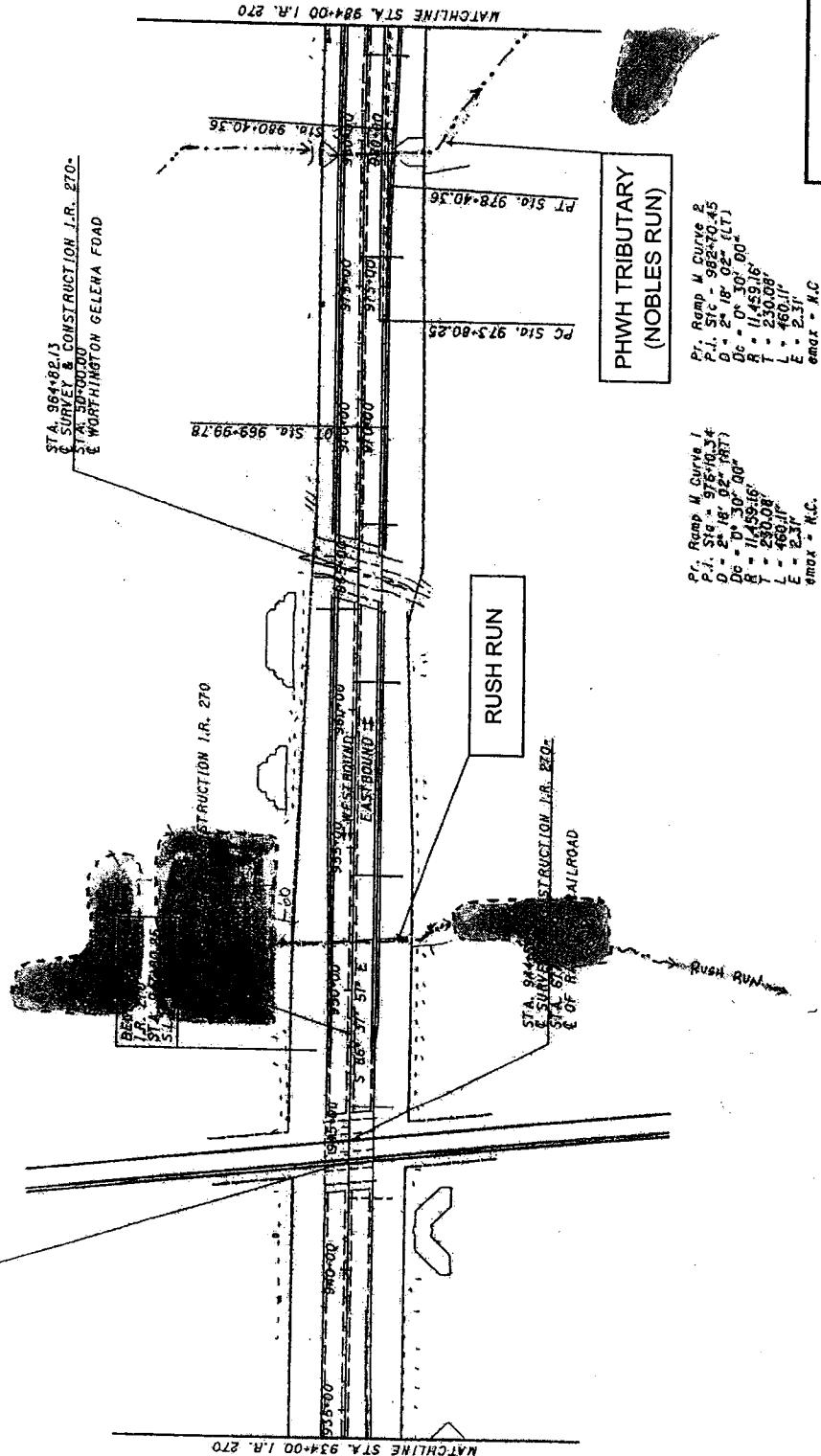
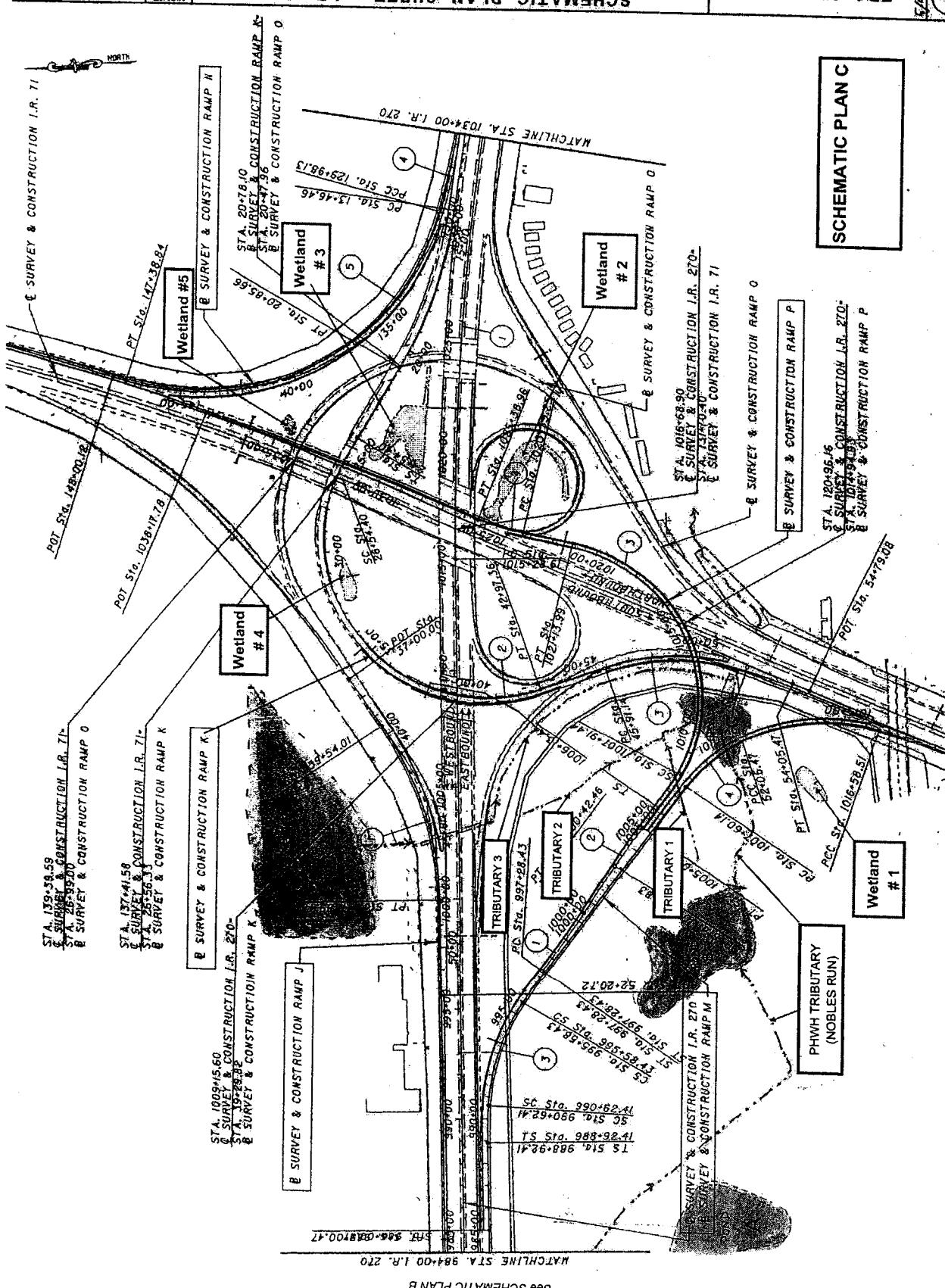


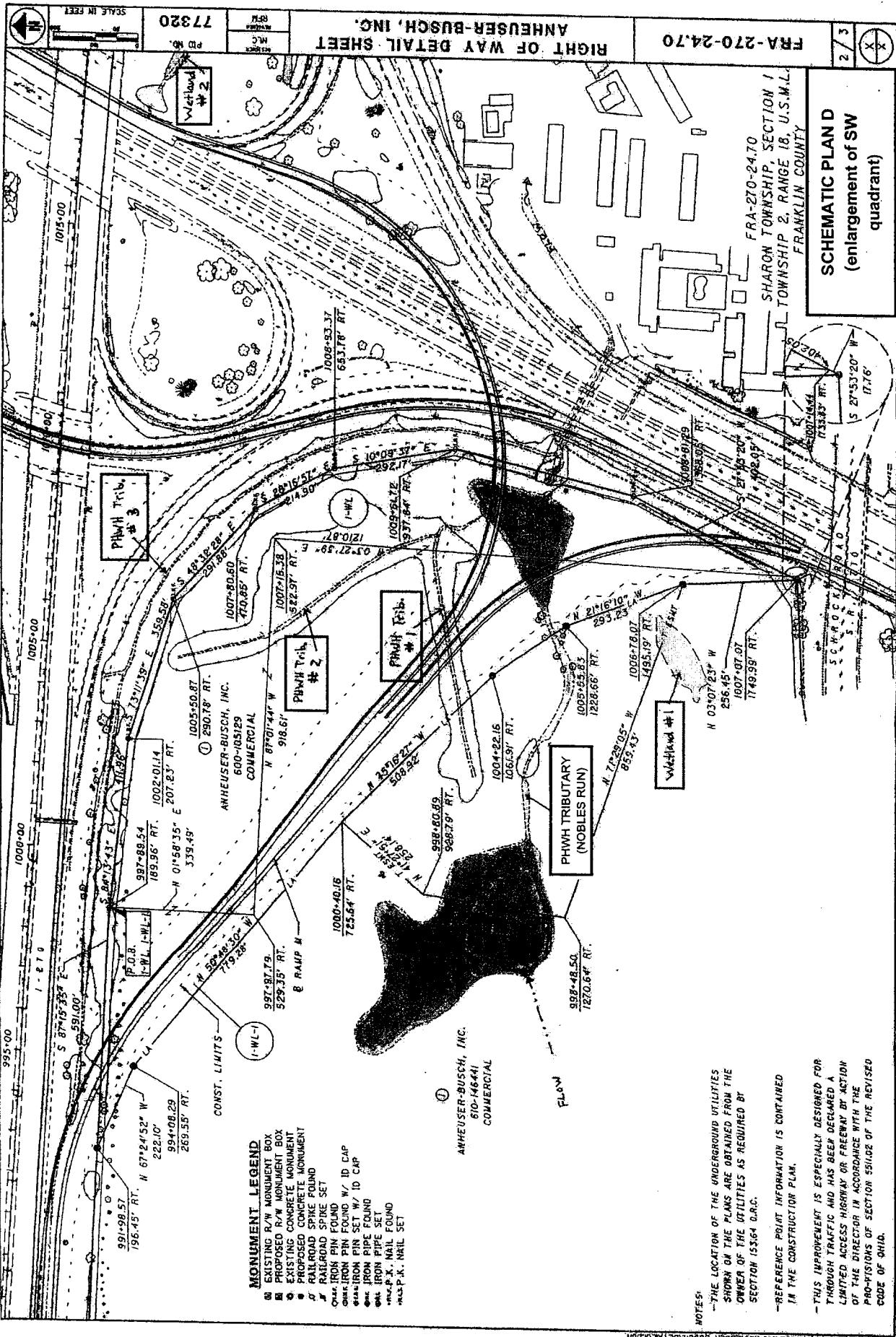
FIGURE 5a. WETLANDS, STREAMS, AND PONDS LOCATED WITHIN AND ADJACENT TO THE PROJECT AREA.

SCHEMATIC PLAN B

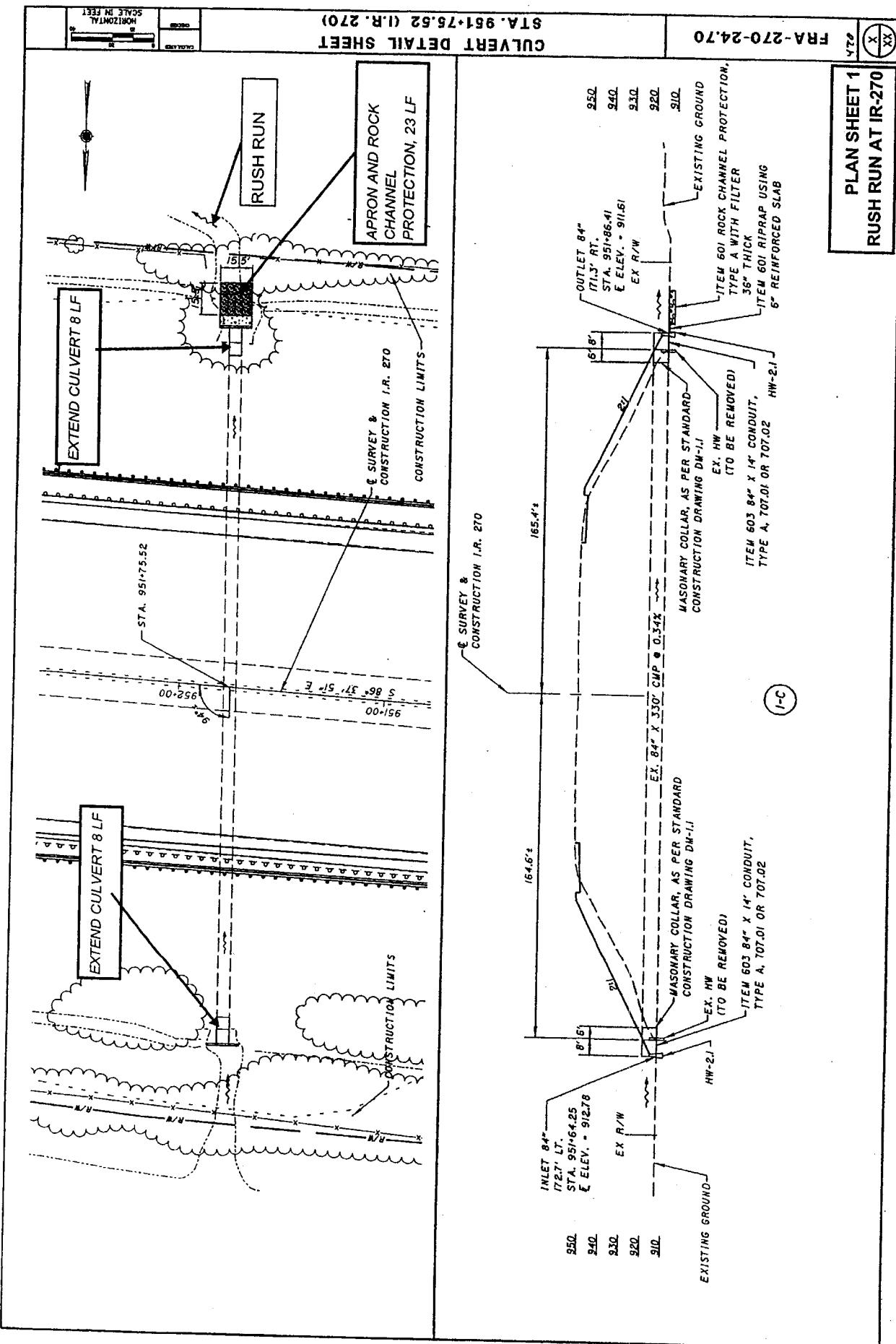
3 of 22



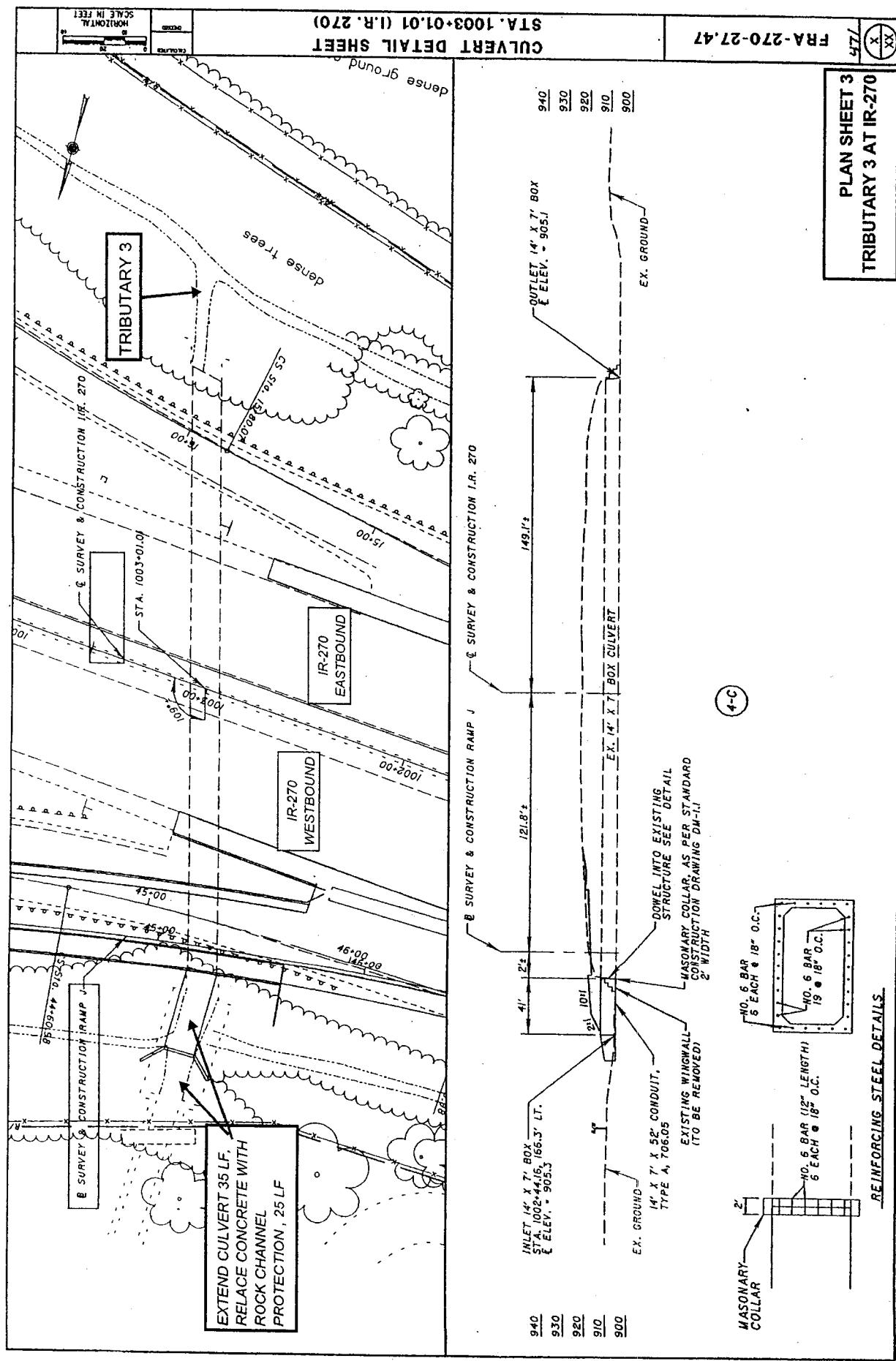
See Schematic Plan B



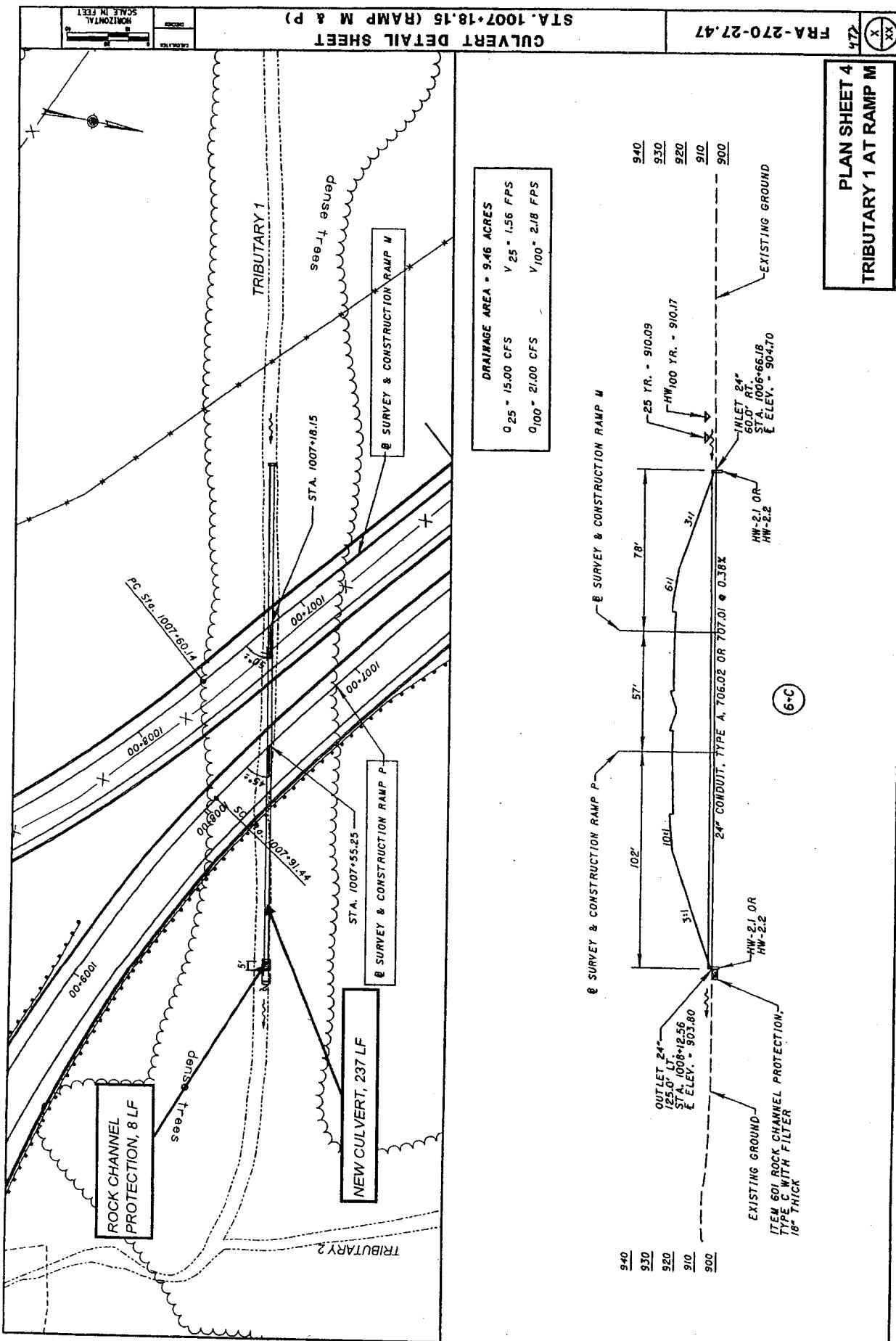
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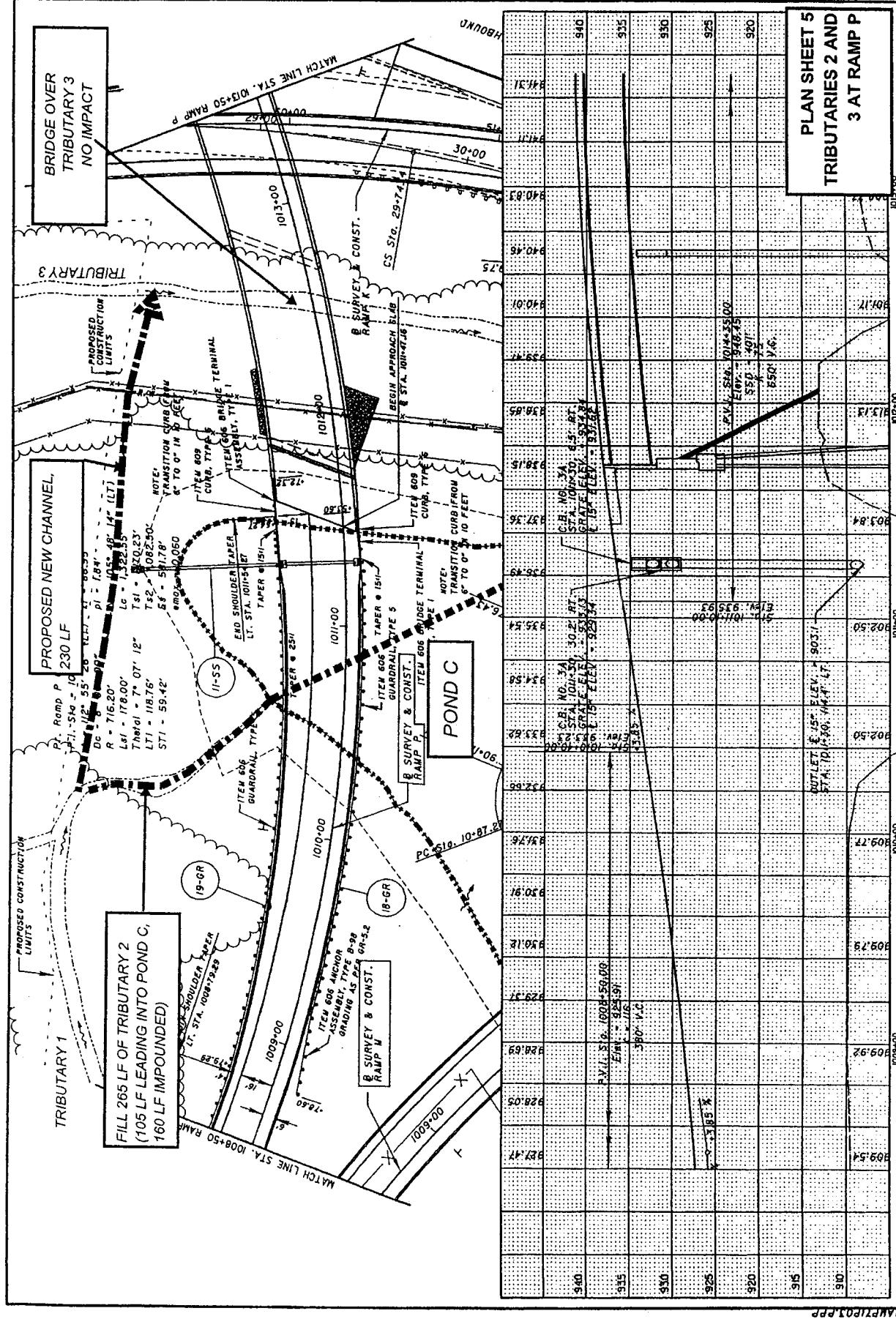
8.06.22



FRA-270-24.47

PLAN AND PROFILE - RAMP P STA. 1008+50 TO STA. 1013+50

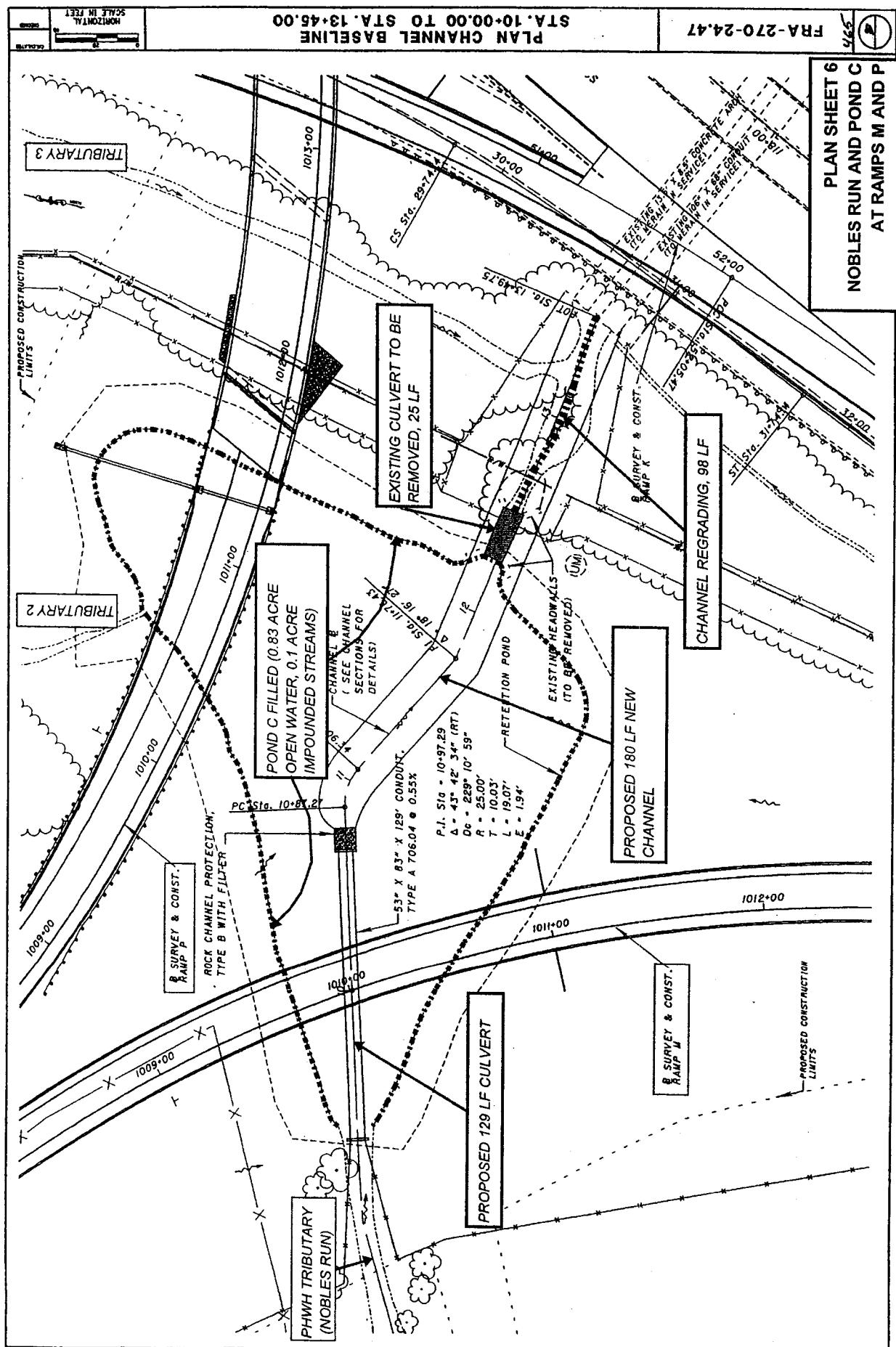
SCALE IN FEET
HORIZONTAL
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**PLAN SHEET 5
TRIBUTARIES 2 AND
3 AT RAMP P**

474

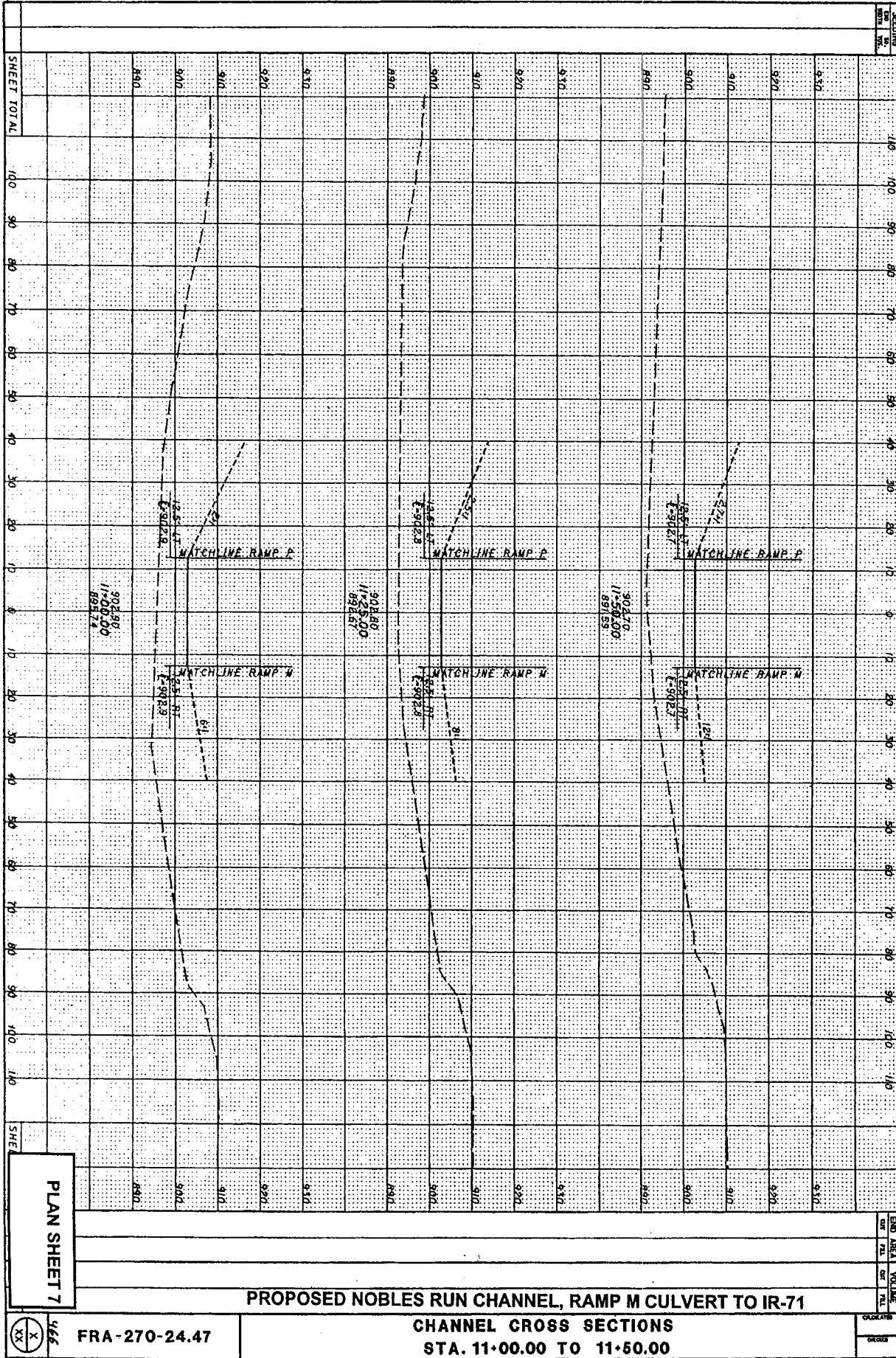
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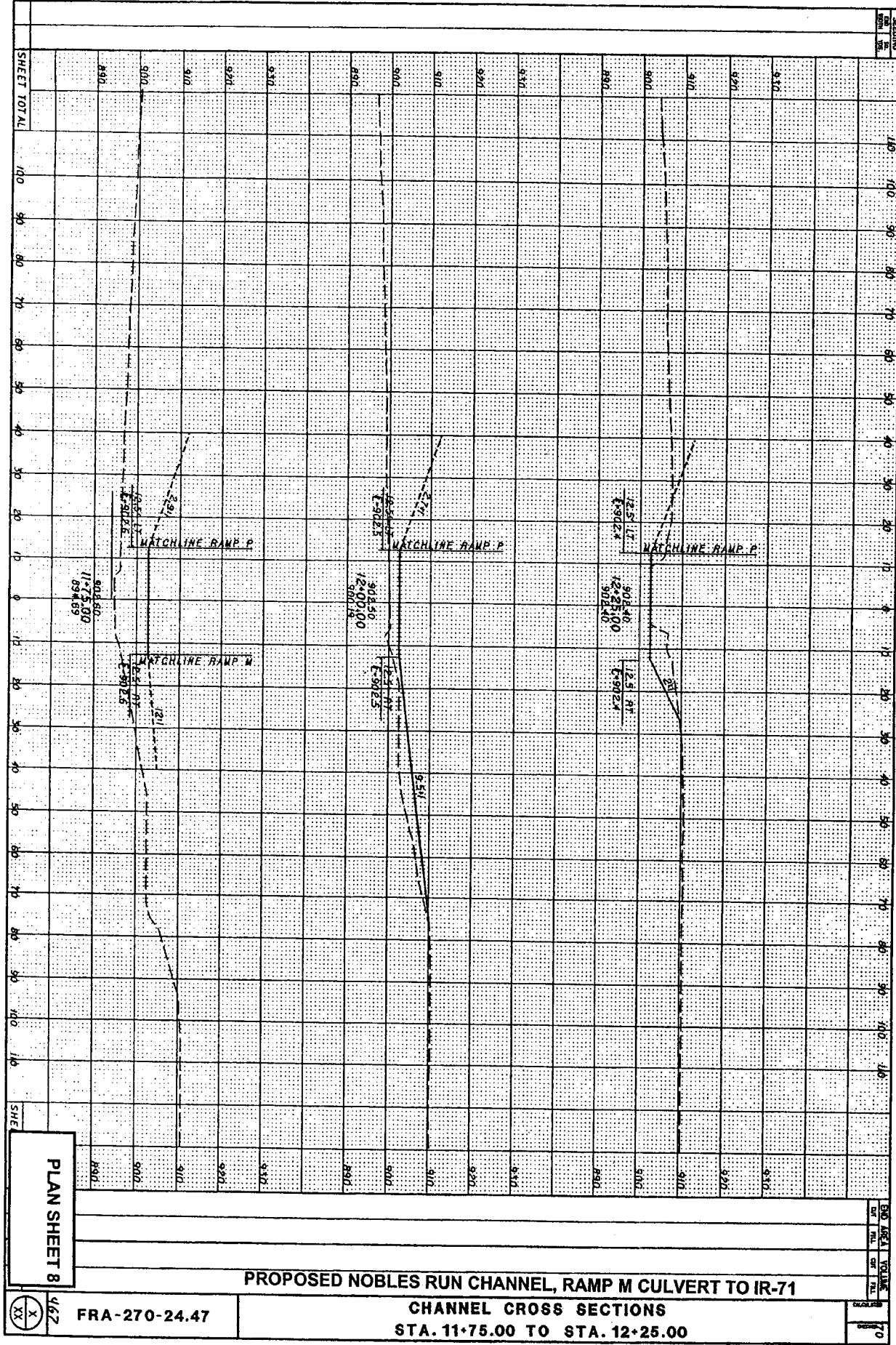
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SHTDITCH.PKS 7/26/04



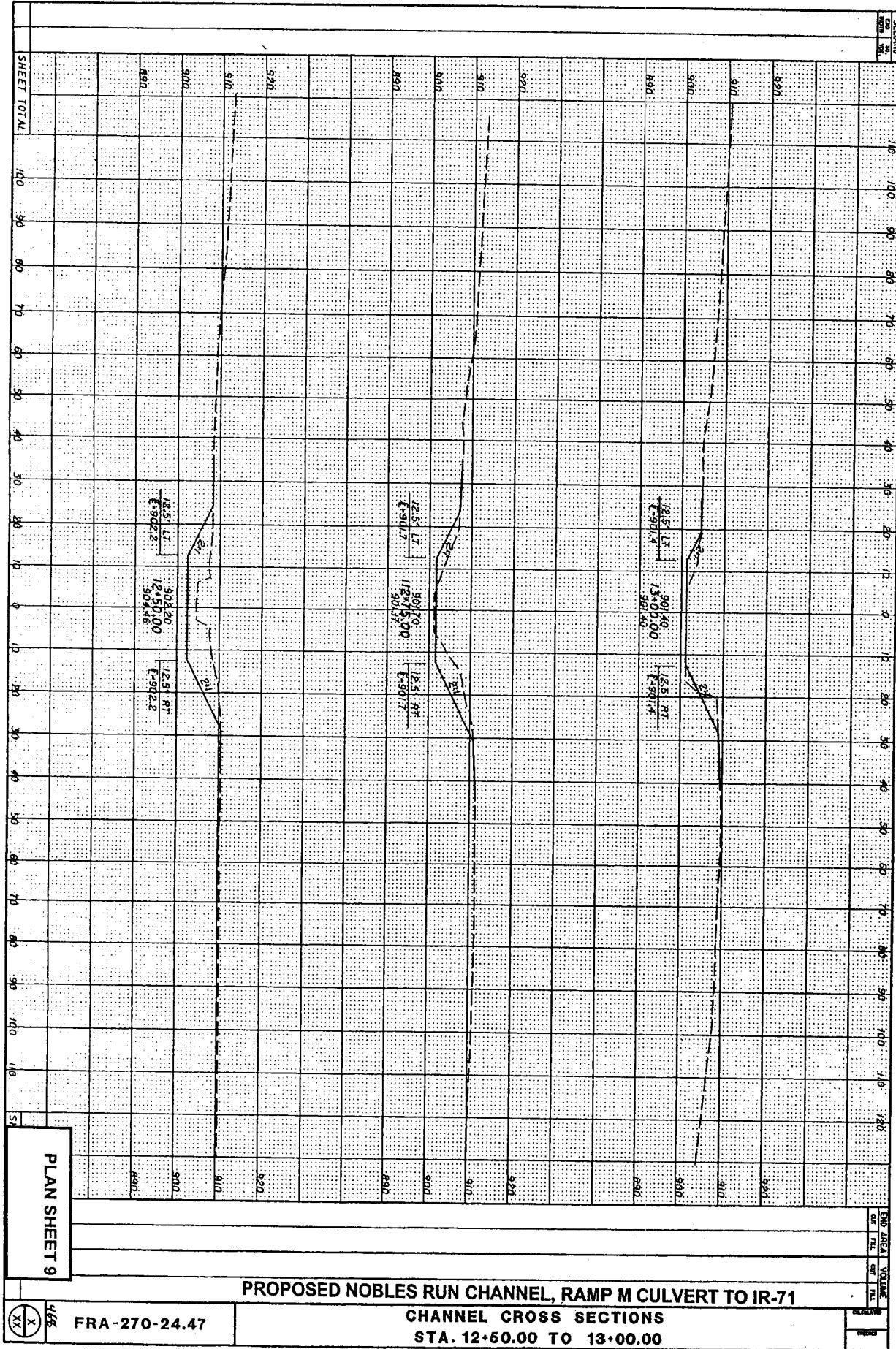
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SHT01TCH.PXS 7/28/04



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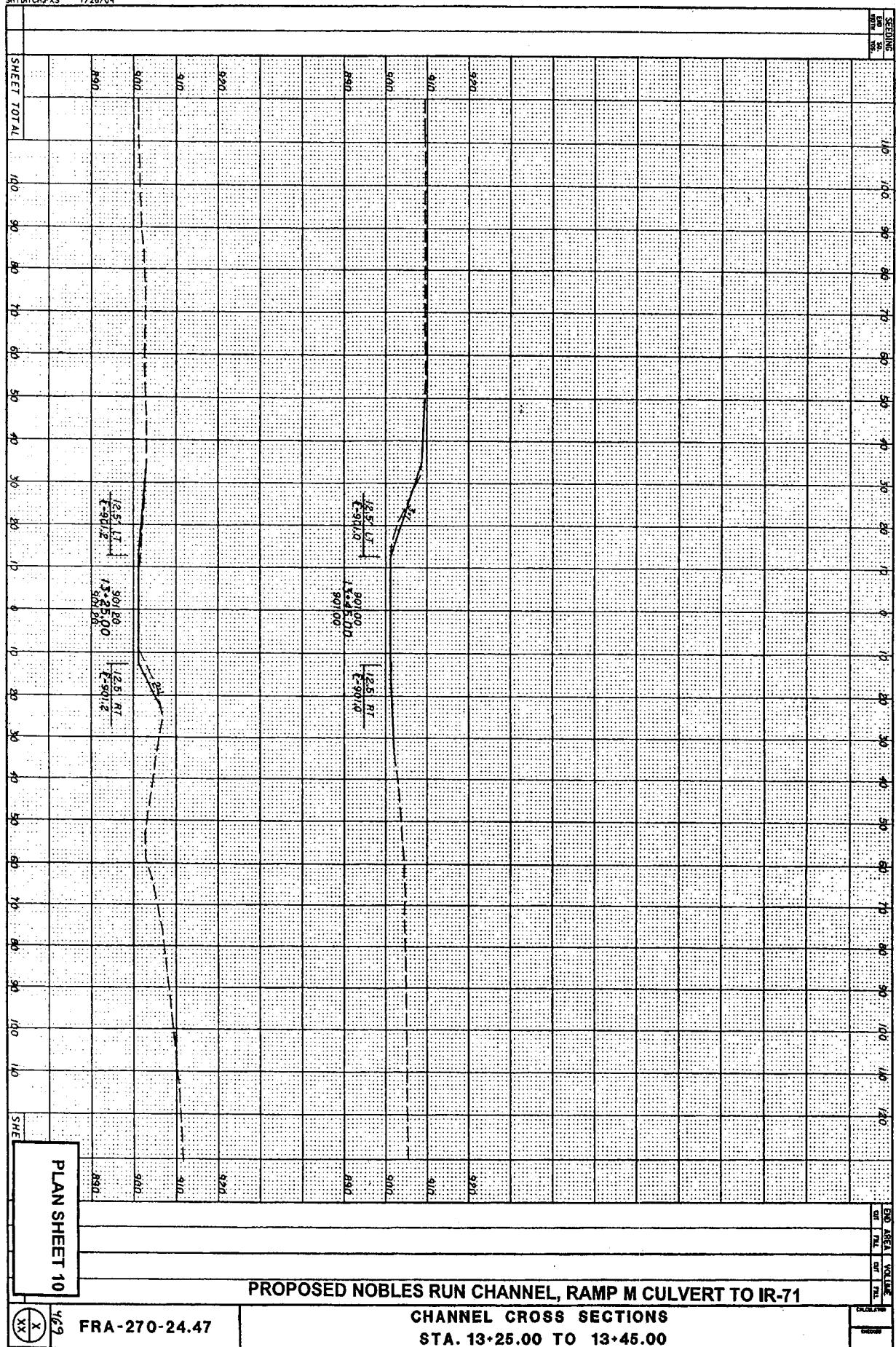
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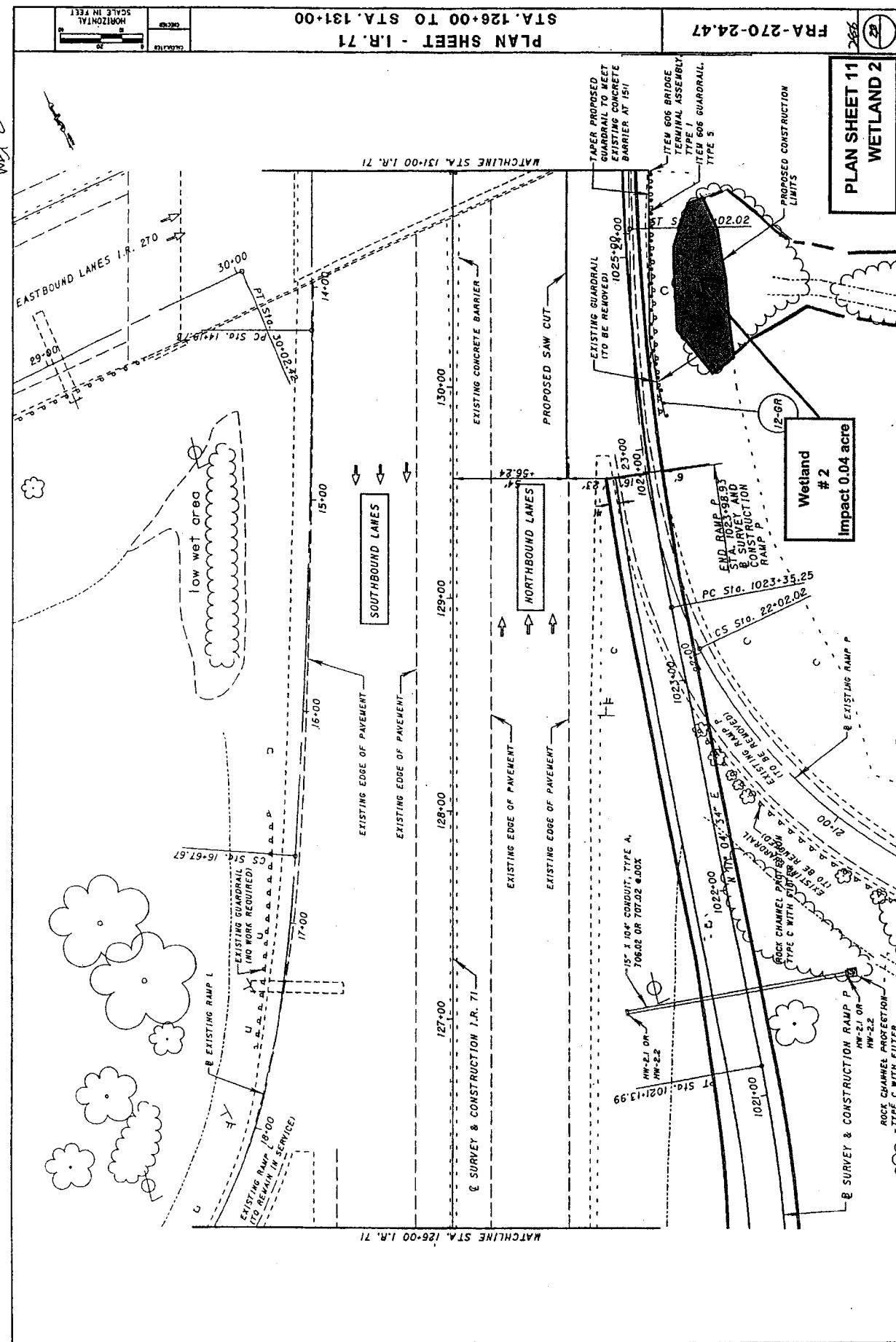


PROPOSED NOBLES RUN CHANNEL, RAMP M CULVERT TO IR-71

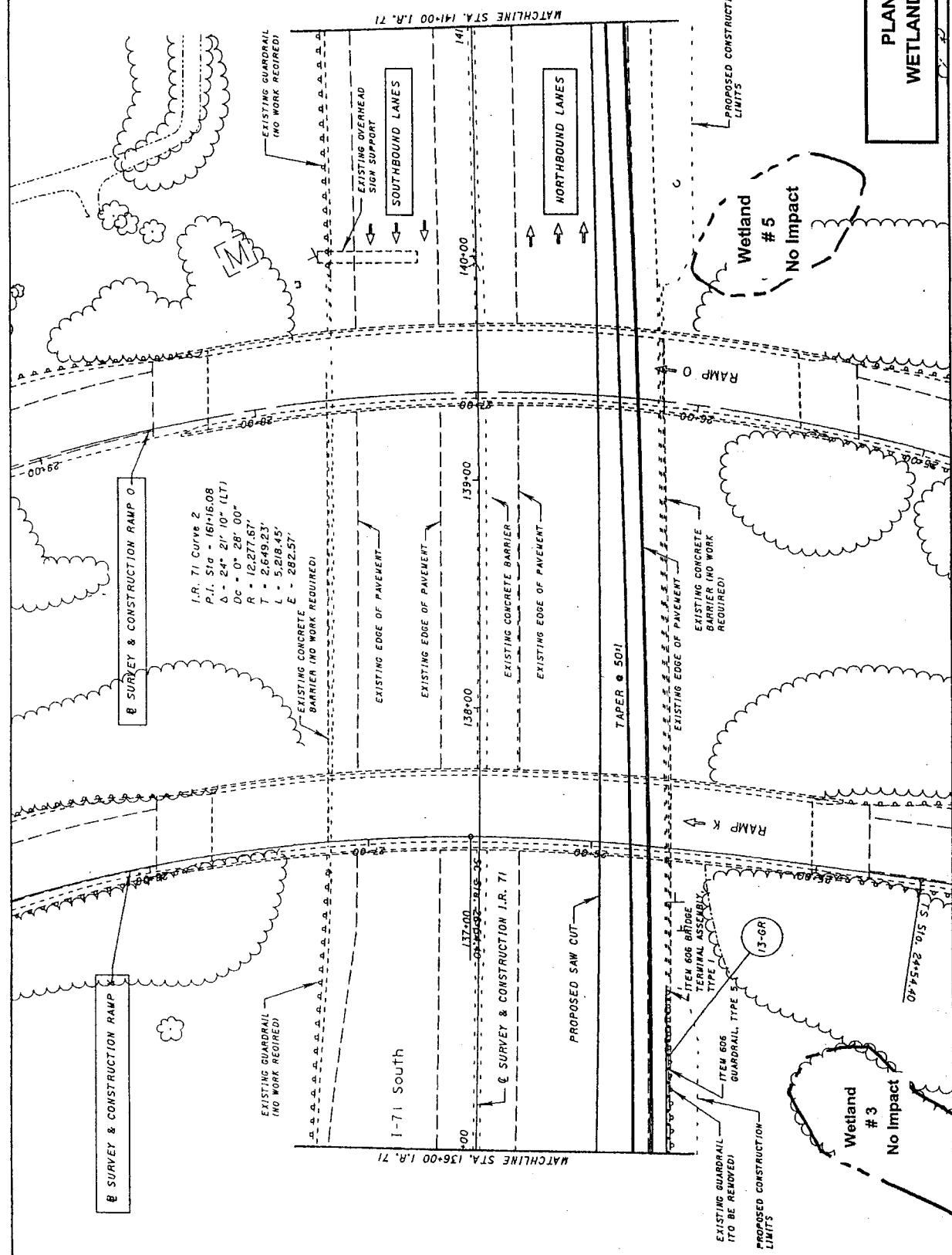
CHANNEL CROSS SECTIONS
STA. 12+50.00 TO 13+00.00

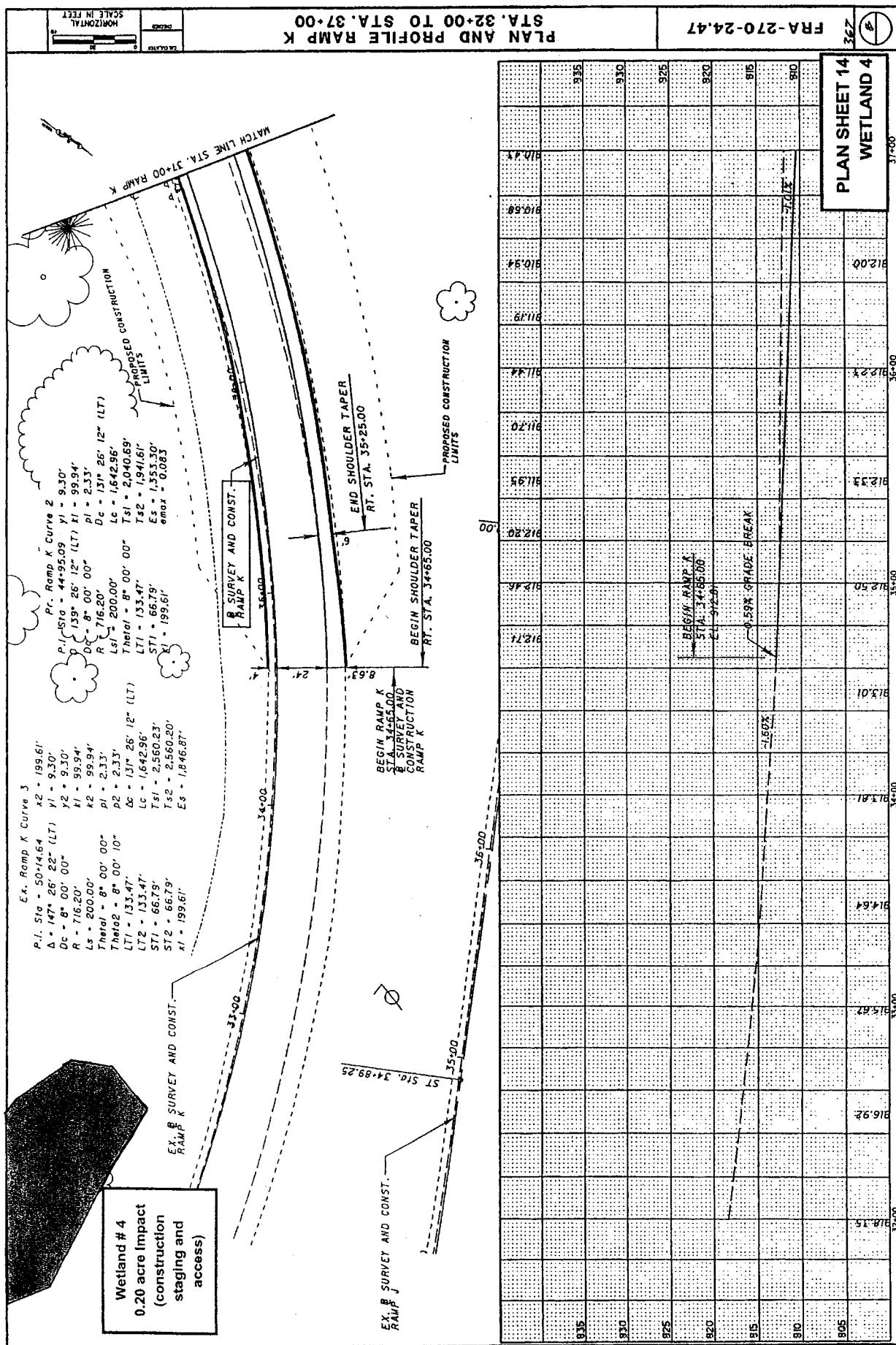
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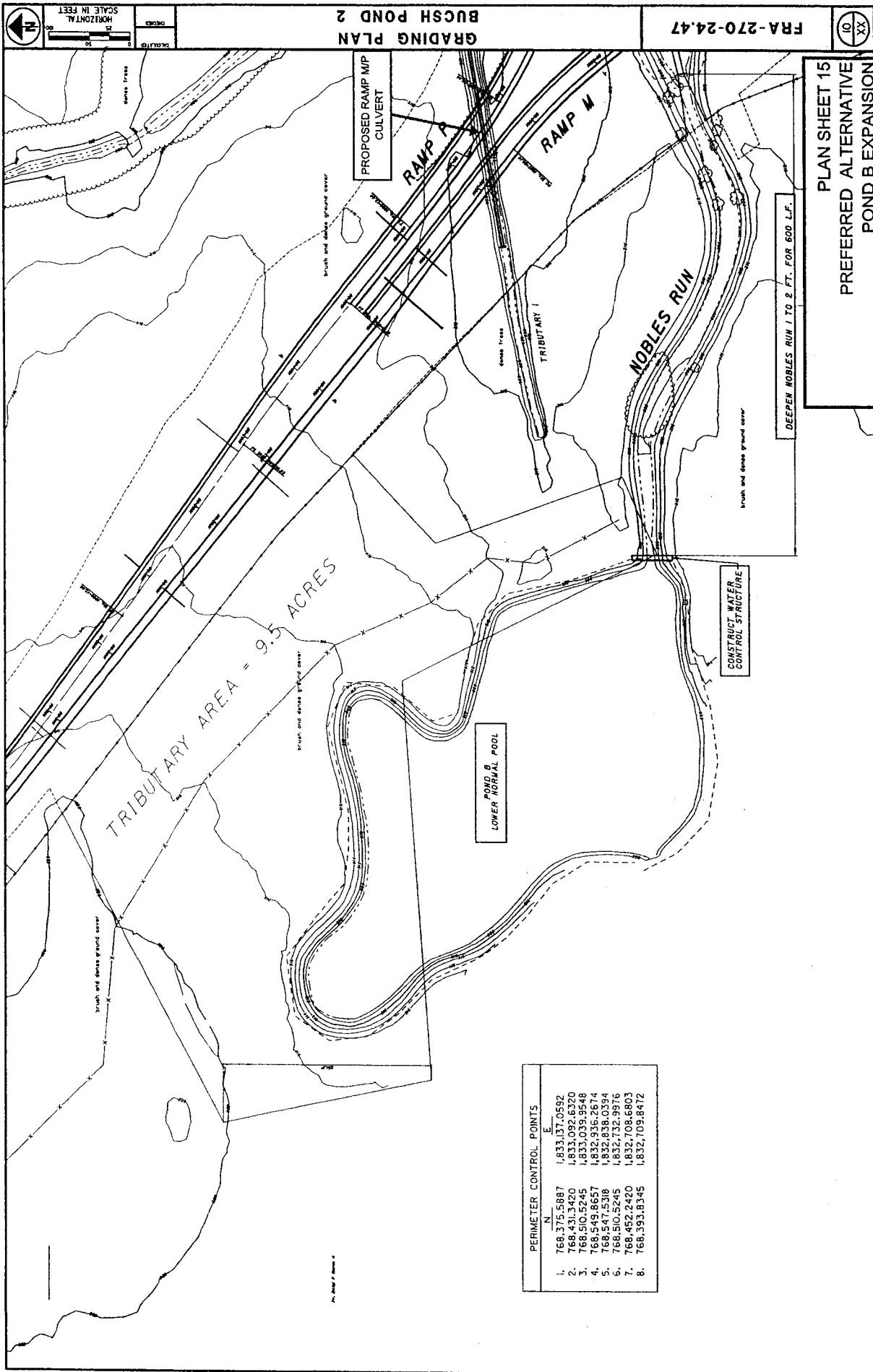


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PLAN SHEET 15
PREFERRED ALTERNATIVE
POND B EXPANSION

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PLAN SHEET 16
MINIMAL DEGRADATION ALTERNATIVE
POND B EXPANSION

ANHEUSER BUSCH POND B GRADING AND LAYOUT

FRA-270-24.47

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